Modified

DETAIL ESTIMATE FOR CONSTRUCTION OF SECOND FLOOR OFFICE FOR ARO(YESHWANTHAPUR) AT JP PARK SWIMMING POOL PARKING AREA IN WARD NO -17

No	Description	Unit	No.	Measurements Length	Width	Depth	Quantity	PWD Rates	Amount
1	Providing and laying cement concrete using 20mm & down size granite coarse aggregate and fine aggregates of **ready mixed concrete(RMC)** for RCC works laid in 15cms thick layers and well compacted including vibrating, curing etc., including smooth finish in CM 1:3, with all lead and lift etc, complete (exclusive of cost of steel and fabrication charges) Ready mix concrete for Beams. columns, staircase and roof with M-30 (Cement - 360 kg/cum) (PWD - P-19,-I-4.49.3)								
	For columns	Cmt							
	for lift columns		19	0.30	0.45	3.50	8.98		
	For beams		4	0.30	0.45	3.50	1.89		
			3	18.00	0.30	0.30	4.86		
			6	12.00	0.30	0.30	6.48		
	For roof slab		3	6.00	0.30	0.30	1.62		
			1	18.50	12.50	0.15	34.69		
			1	8.00	3.30	0.15	3.96		
	staircase		1	5.50	2.50	0.15	2.06		
	midlanding		2	3.50	1.20	0.15	1.26		
	midlanding to roof slab		1	2.40	1.20	0.15	0.43		
	For steps		2	3.50	1.20	0.15	1.26		
	lift walls		25	1.20	0.30	0.15	1.35		
	Second floor		1	10.00	0.20	3.50	7.00		
							75.84		
		BOQ	**38.85**						
				Qty. Upto 125% of BOQ			**48.56**	7000.00	**339,938.00**
				Qty. Beyond 125% of BOQ			**27.28**	7000.00	**190,939.00**
2	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Steel=1.075Qtl) (PWD -P-17-I-4.46.3)								
	@125kgs/cmt	Qtl					9,479.94		
	Second floor						**94.80**		-
		BOQ	**54.39**						
				Qty. Upto 125% of BOQ			**67.99**	7640.00	**519,425.00**
				Qty. Beyond 125% of BOQ			**26.81**	7640.00	**204,843.00**
3	Providing and laying in position reinforced cement concrete of mix M20 with 12mm and down size graded granite metal, machine mixed, well compacted for chajja of 7.5cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.(PWD - P-14,-I-4.20)								
		Smt	7	1.50	0.60		6.30		
			2	1.00	0.60		1.20		
	Second floor						**7.50**	433.00	3,247.50
		BOQ	**9.66**						
4	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. (PWD - P-16, I-4.32)								
	Second floor	Smt	19	1.50		3.50	**99.75**	389.00	38,802.75
		BOQ	**92.23**						
5	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD - P-15, I-4.18)								
	Roof Slab	Smt	1	20.00	13.00		260.00		
			1	8.00	4.00		32.00		
	Second floor						**292.00**		
		BOQ	**121.02**						
				Qty. Upto 125% of BOQ			**151.28**	407.00	**61,569.00**
				Qty. Beyond 125% of BOQ			**140.73**	407.00	**57,275.00**
6	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunching cantilever girders bressummer and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification. (PWD - P-17, I-4.34)								
			3	18.00		0.90	48.60		

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	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
			6	12.00		0.90	64.80		
		BOQ	65.39				113.40		
				Qty. Upto 125% of BOQ			81.74	294.00	24,031.00
				Qty. Beyond 125% of BOQ			31.66	294.00	9,309.00
7	KSRB 4-6.11 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification.(PWD - P-17, I-4.34)								
		Cmt	1	4.00	1.35		5.40		
			2	4.00	0.30		2.40		
			1	3.00	1.50		4.50		
			2	3.00	0.15		0.90		
			2	1.50	0.15		0.45		
			1	4.00	1.35		5.40		
			2	4.00	0.30		2.40		
			2	1.35	0.30		0.81		
	Second floor		24	1.35	0.30		9.72		
		BOQ	32.06				31.98	525.00	16,789.50
8	Providing and removing centering, shuttering, strutting, propping etc., **for chajjas**, corbels etc., including edges including cost of all materials, labour complete as per specification. (PWD - P-16, I-4.37)								
		Smt	7	1.50	0.60		6.30		
			2	1.00	0.60		1.20		
	Second floor						7.50	297.00	2,227.50
		BOQ	12.81						
9	Providing and constructing precast concrete **solid blocks with compressive strength not less than 35kg/sqm with C.M 1:4** masonary (quoin, jamb, closer blocks) with solid concrete blocks of **size 40x20x20cms** conforming to IS:2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.(PWD - P- 25 - I -5.34)								
	Alround wall	Cmt	1	18.00		3.50	63.00		
			1	12.50		3.50	43.75		
			1	11.00		3.50	38.50		
	Paritions		1	40.00		1.50	60.00		
	Internal walls		1	15.00		3.50	52.50		
	Deduction Door D2		2	0.90		2.10	-3.78		
	Window W		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
	Second floor						233.87		
		BOQ	144.15						
				Qty. Upto 125% of BOQ			180.19	953.00	171,719.00
				Qty. Beyond 125% of BOQ			53.68	953.00	51,159.00
10	KSRB 5-15 : Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1 :4 (Jamb, closer blocks) with blocks of size 40x10x20cms. (LxBxH) conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. PWD (P- 28,-I - 5.28) .								
	Toilet wall	Cmt	4	3.00		3.50	42.00		
	Second floor						42.00		
		BOQ	3.63						
				Qty. Upto 125% of BOQ			4.54	683.00	3,099.00
				Qty. Beyond 125% of BOQ			37.46	683.00	25,587.00
15	KSRB15-3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD - P - 112 - I -15.9)								
	Internal walls		1	19.00		3.50	66.50		
			4	12.50		3.40	170.00		
	Partions		2	40.00		1.50	120.00		
	Deduction Door D2		2	0.90		2.10	-3.78		
	Window W		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
	Second floor						332.62		
		BOQ	124.83						
				Qty. Upto 125% of BOQ			156.04	169.00	26,370.00
				Qty. Beyond 125% of BOQ			176.58	169.00	29,842.00

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	Description	Unit	No.	Measurements Length	Width	Depth	Quantity	PWD Rates	Amount
	KSRB15-3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD - P - 112 - I -15.9)								
	ceiling								
	beams		1	18.00		12.00	216.00		
			2	18.00		0.90	32.40		
	Second floor		6	15.00		0.90	81.00		
		BOQ	103.25				329.40		
				Qty. Upto 125% of BOQ			129.06	171.00	22,070.00
19				Qty. Beyond 125% of BOQ			200.34	171.00	34,258.00
	Providing **20mm thk cement plaster in Single coat** with cement mortar 1:3 to stone/brick/Aerocon block/block masonry and concrete surface including rounding off corners wherever required smooth rendering, providing and removing scaffolding including cost of materials, labour and curing complete as per specifications. PWD (P- 113,-I - 15.19) .								
	External plastering		1	85.00		3.50	297.50		
	Deduct windows		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
	Second floor						277.40	235.00	65,189.00
		BOQ	724.37						
20	Extra for providing and mixing waterproofing compound in cement plaster for brick massonry work at one kg per bag or in the proportion recommened by the manufacturers for the cement mortor 1:4, 20mm thk cost of materials complete as per specifications. PWD (P- 113,-I - 15.19) .								
	External plastering		1	85.00		3.50	297.50		
	Deduct windows		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
	Second floor						277.40	11.00	3,051.40
		BOQ	724.37						
21	KSRB 15.8.1 Providing and fixing plaster mesh 100mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) (Pg: 124-I-15.34 of KPWD SR 2013-14)								
	for column joint		8	3.50		3.60	100.80		
							100.80	31.00	3,124.80
		BOQ	89.85						
23	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg: 56-I-9.11 of KPWD SR 2013-14)								
	doors		3	5.00	0.10	0.10	0.15		
	Windows		7	8.00	0.10	0.10	0.56		
	ventilator		4	3.00	0.10	0.10	0.12		
							0.83	110,729.00	91,905.07
		BOQ	0.68						
									1,995,770.52
	EIRL								
1	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for retainer walls, vertical walls in plan including cost of all materials, labour complete as per specification. (PWD - P-16, I-4.32)								
	lift walls	Smt	2	8.00		4.50	72.00		
	Second floor						72.00	346.93	24,978.96
2	KSRB 7.9: Providing and fixing M.S. grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS. 7.12 .(PWD - P - 32, I -7.9)								
	For Window grill		7	2.00	21.00		294.00		
	Second floor						294.00	100.07	29,420.58

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No	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
3	KSRB 7.5: Providing and fixing pull and push type rolling shutters of approved make out of 18 gauge, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4 Nos, handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications.Shutter size 3mx2.8m Specification No. KBS 7.10 / 7.12 (PWD - P- 36 - I -7.5)								
	Roiling Shutter RS1								
	Second floor	Smt	1	2.80		3.00	8.40		
	Total for Non tender items						8.40	2,929.96	24,611.66
	GRAND TOTAL								79,011.20
									2,074,781.72

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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
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TECHNICAL SANCTION

Rs: 19,99,000=/- (Nineteen Lakhs ninety nine thousand Only) is accorded under the head: P.2434.

By CE(R.R.N.): SL-112/28/6/16 vide Amt: 26-27

Registered as CE (R.R.N) No: _____ subject to conditions contained in enclosed memo No: TS/112/16-17 Date: 28/6/16

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